

# Department of CSE

*Semester : V*

Case Study Project **Bank Management System** Presentation  
For completion of internal assessment  
of subject

**CSE CSE3082: *Object Oriented Analysis and Design***

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# Outcome

Describe the basics of object-oriented system development based on assigned group case study project

1. SRS

2. Use case diagrams

3. Class diagrams

4. Object diagrams

5. Sequence diagrams

6. Collaboration diagrams

7. State chart diagrams

8. Activity diagrams

9. Component diagrams

10. Deployment diagrams



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# SRS

## Functional requirements

- Token Registration and Servicing
- Bank Accountant Services
- Bank Manager Services
- Notifications
- Data Management and Security
- Reporting and Analytics



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# SRS

## Non Functional requirements

- Performance
- Usability
- Reliability
- Security
- Scalability
- Maintainability
- Availability



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# SRS

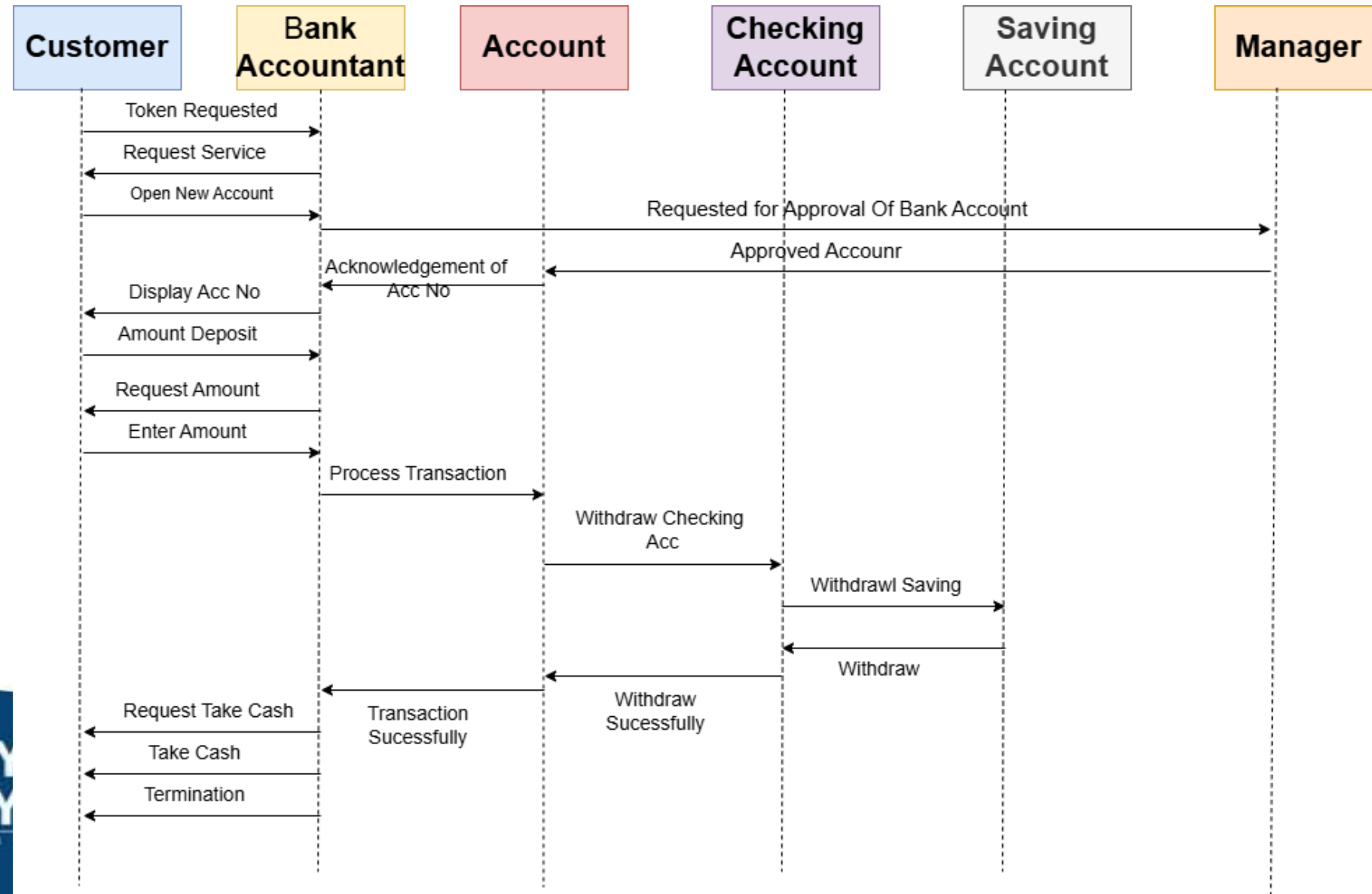
## Hardware requirements

- Servers
- Processor
- RAM
- Storage
- Networking
- Redundancy/Backup
- Client Devices

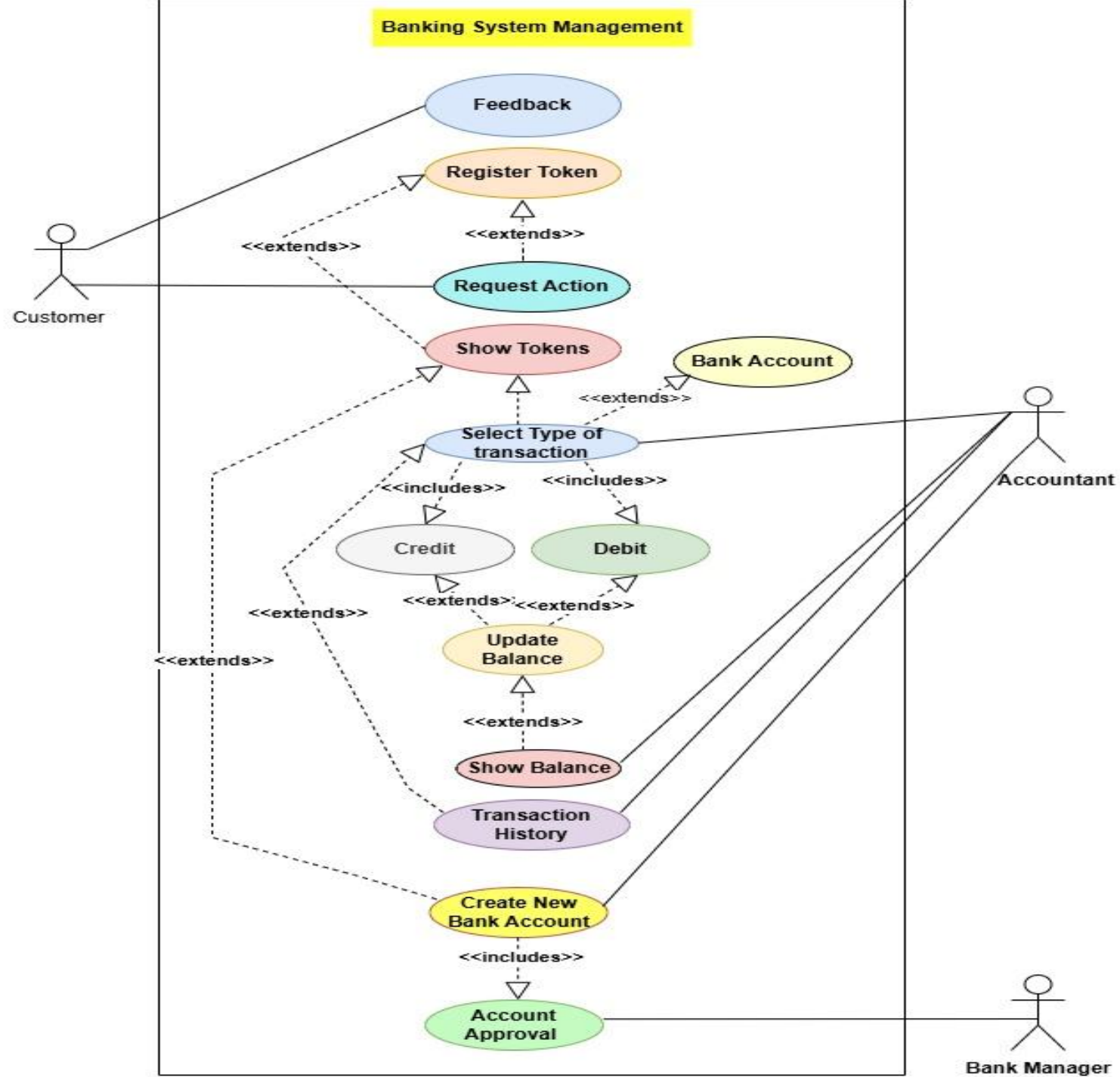
## Software requirements

- Operating Systems
- Backend Technologies
- Frontend Technologies
- Security
- Web Server
- APIs
- Database

# Sequence Diagram



# USE case diagrams



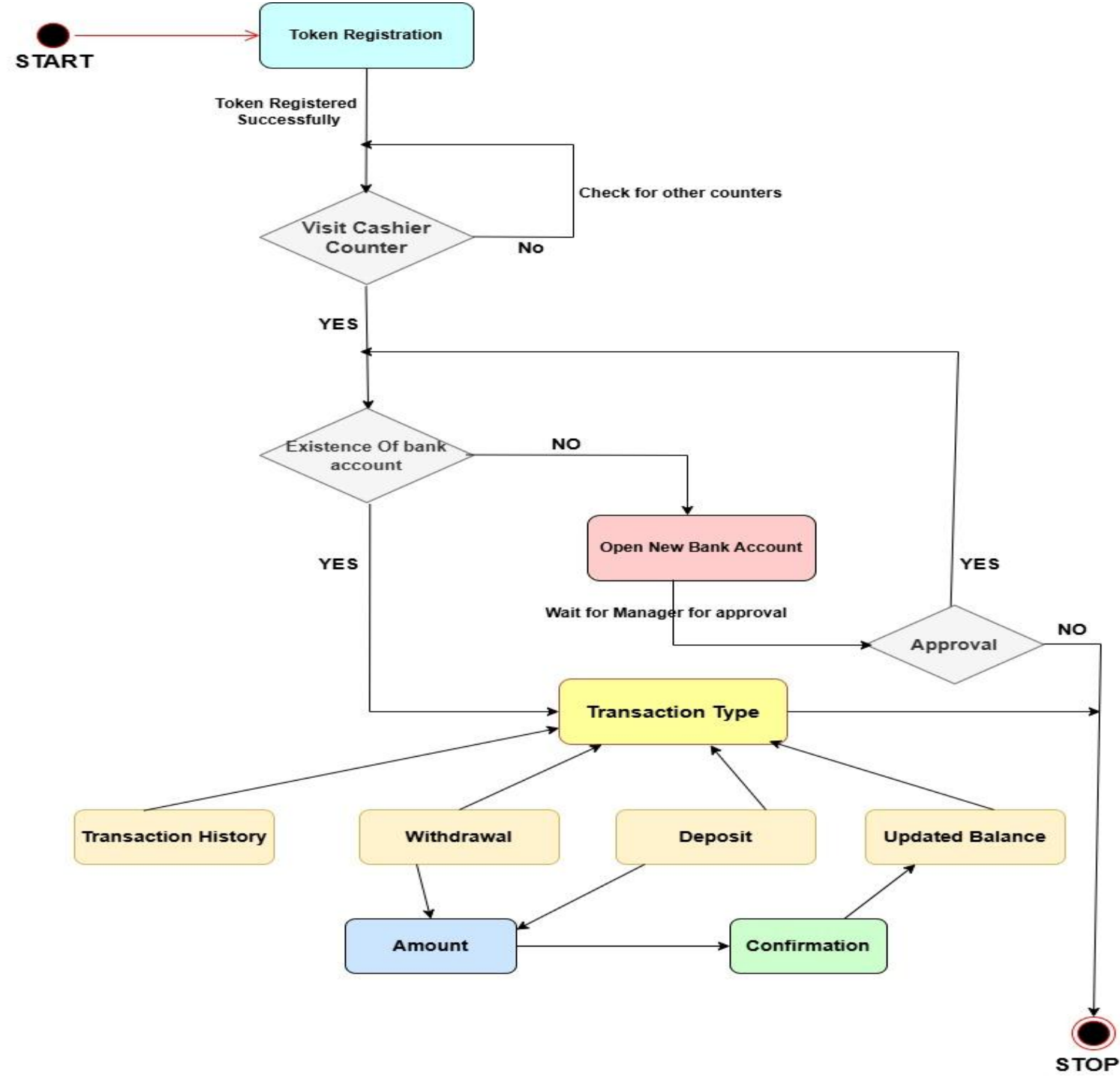
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# Activity Diagram



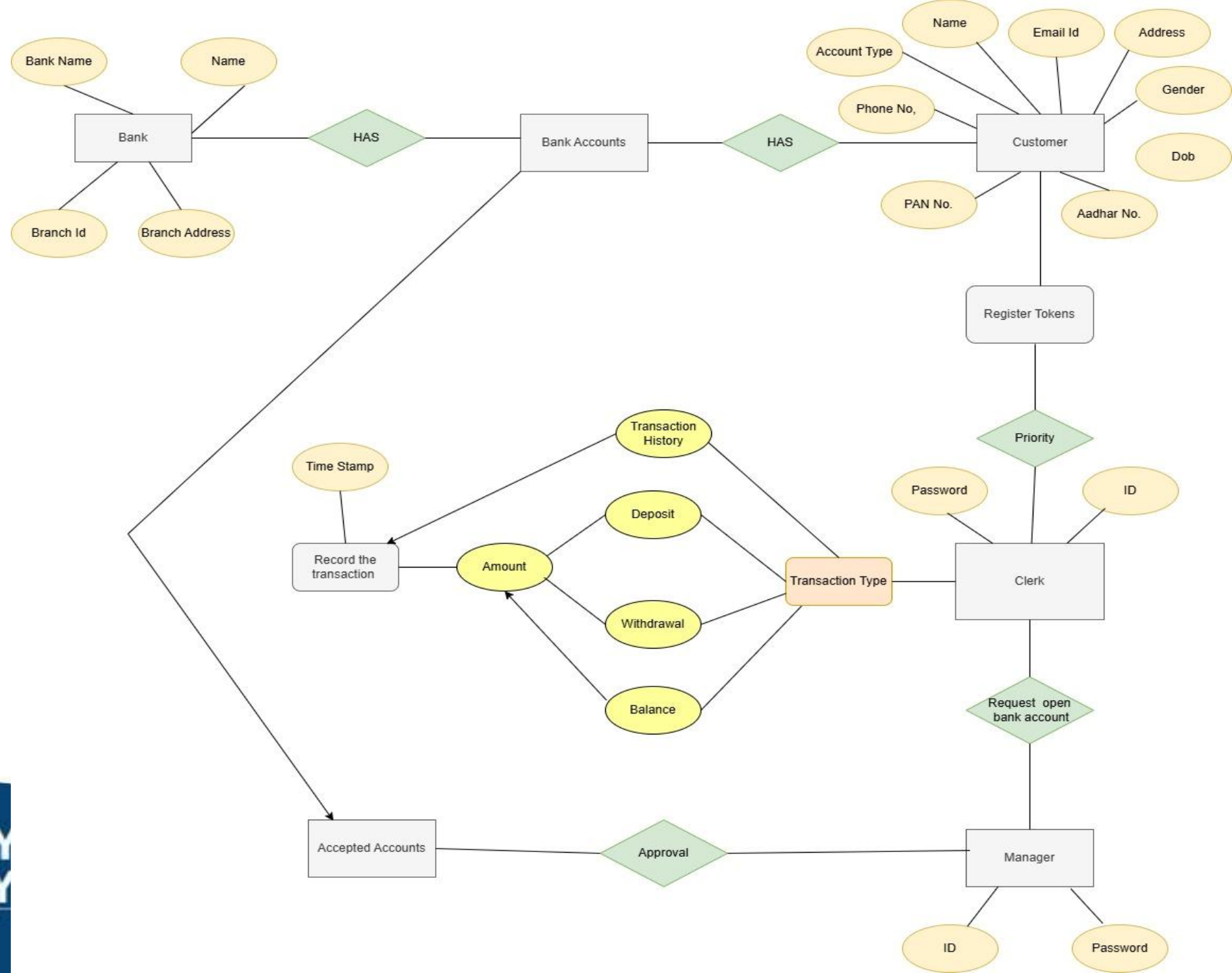
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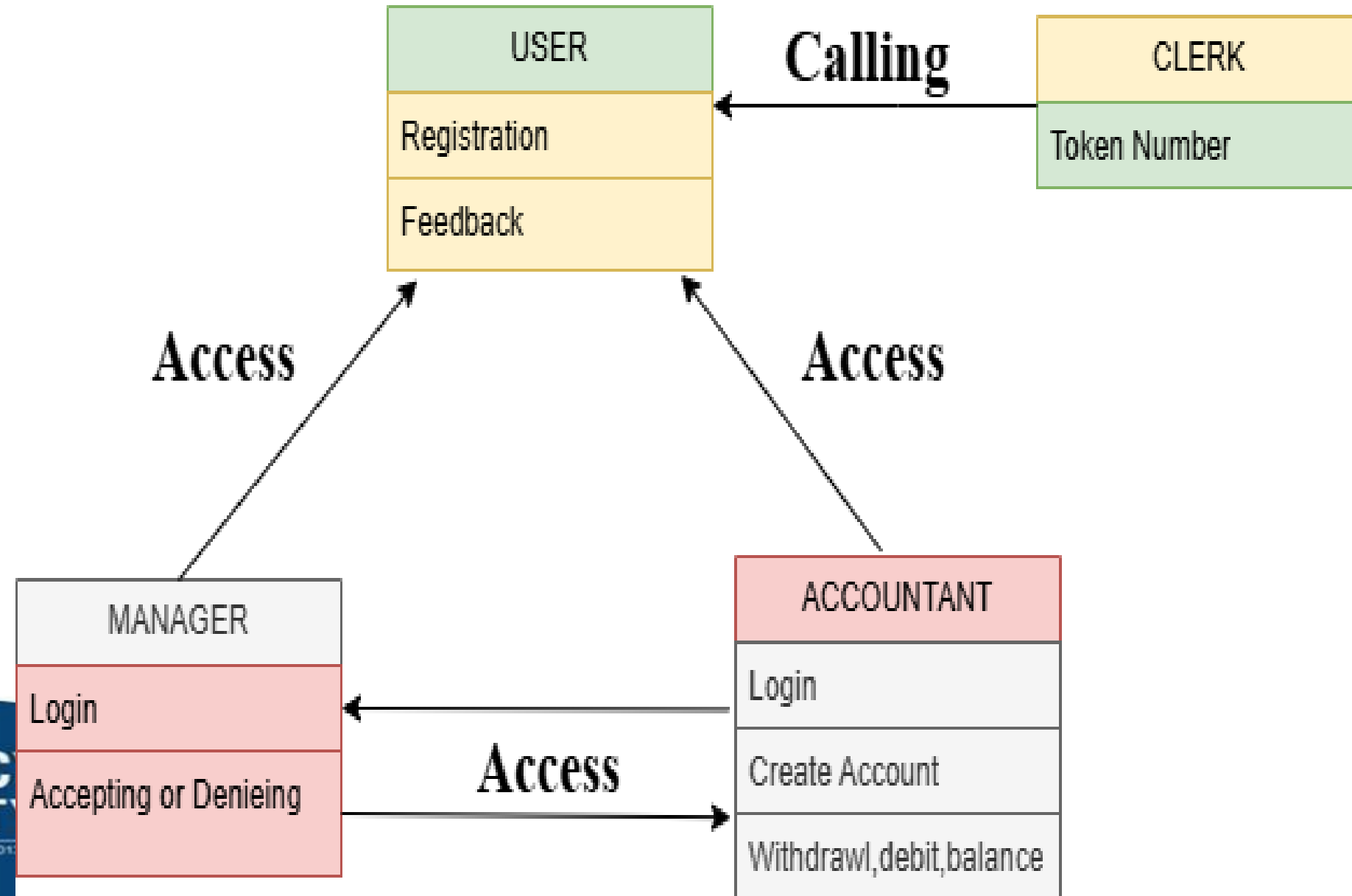
# ER diagram



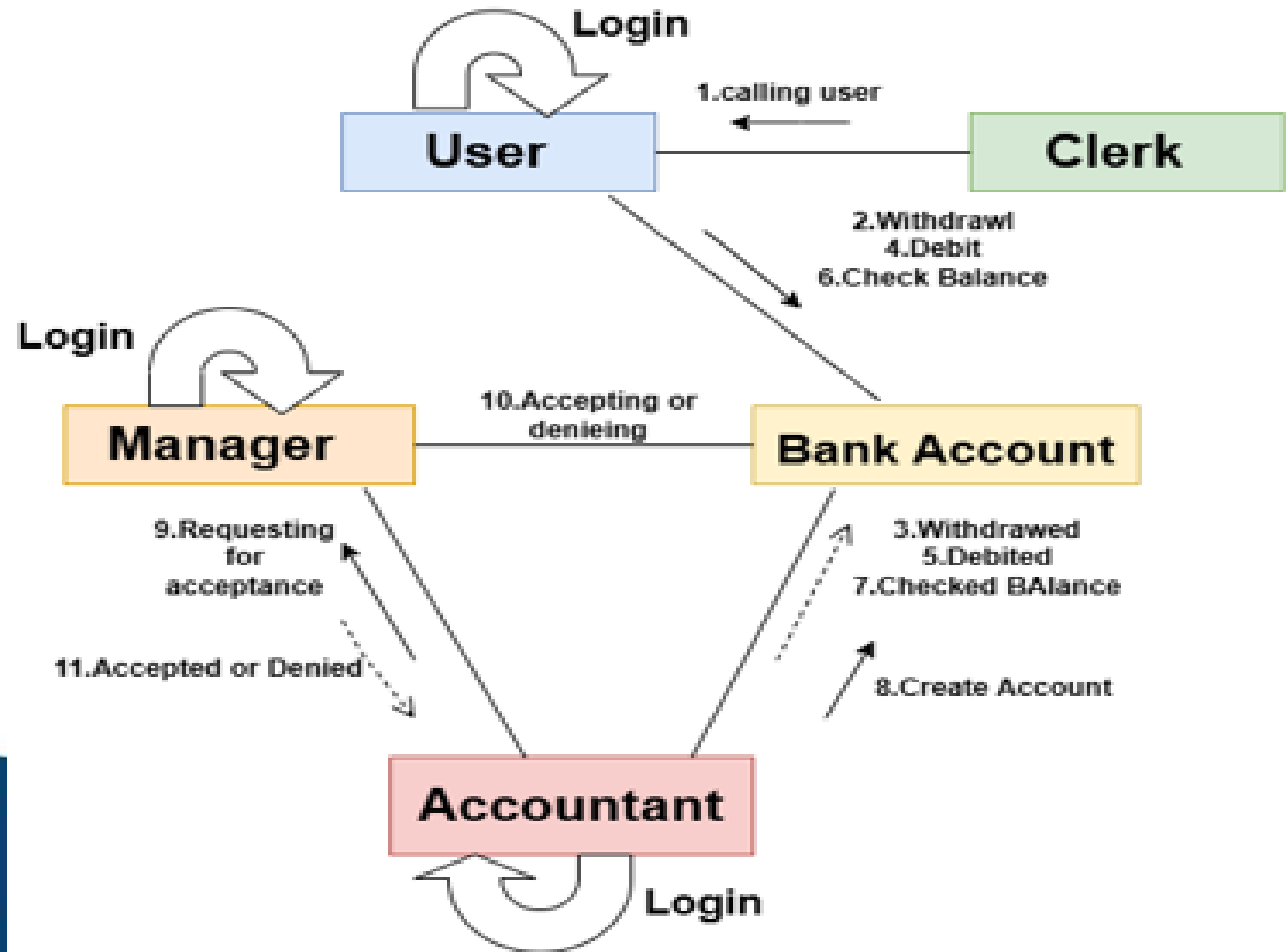
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# Object Diagram



# Collaboration Diagram

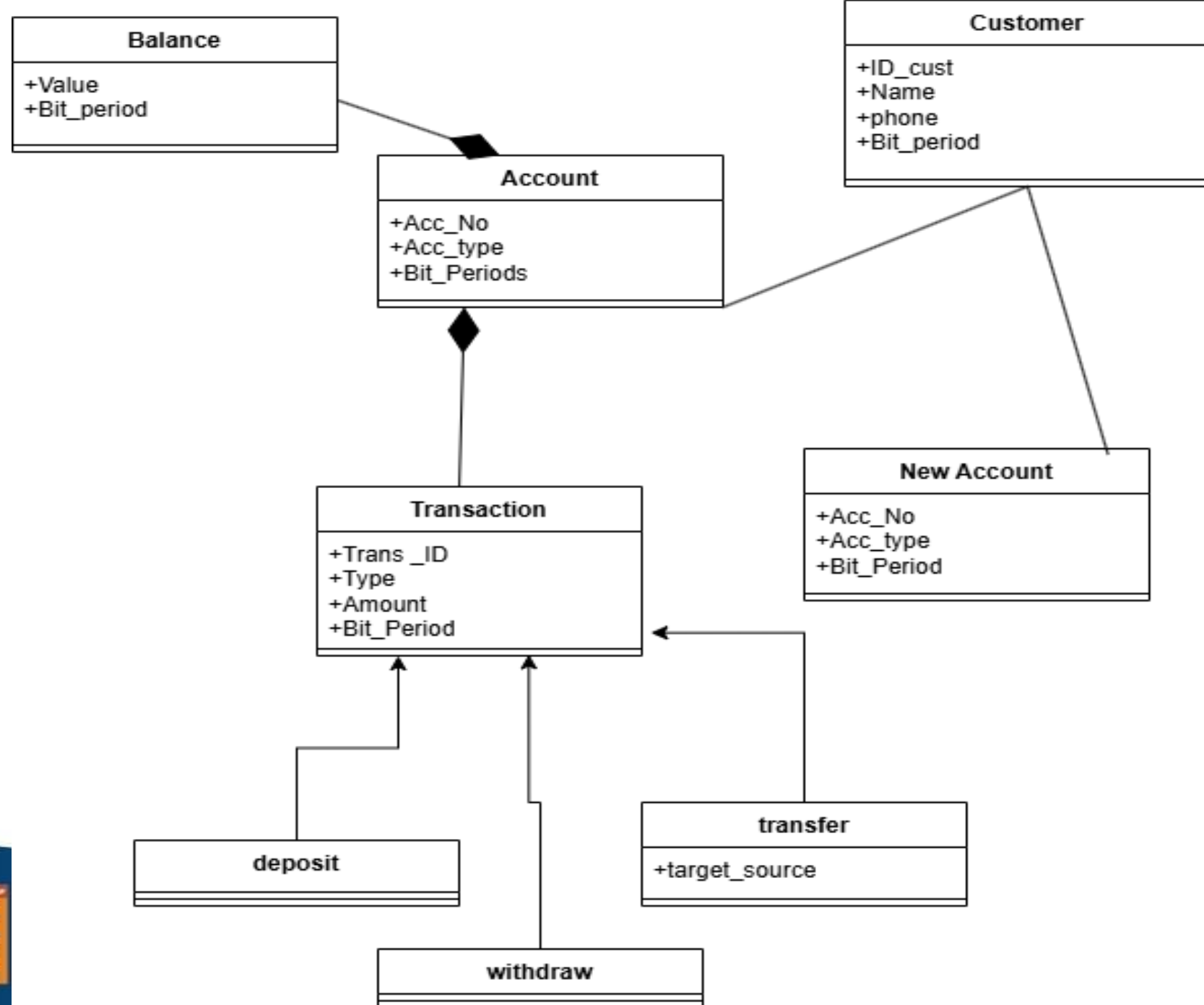


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# Class Diagrams

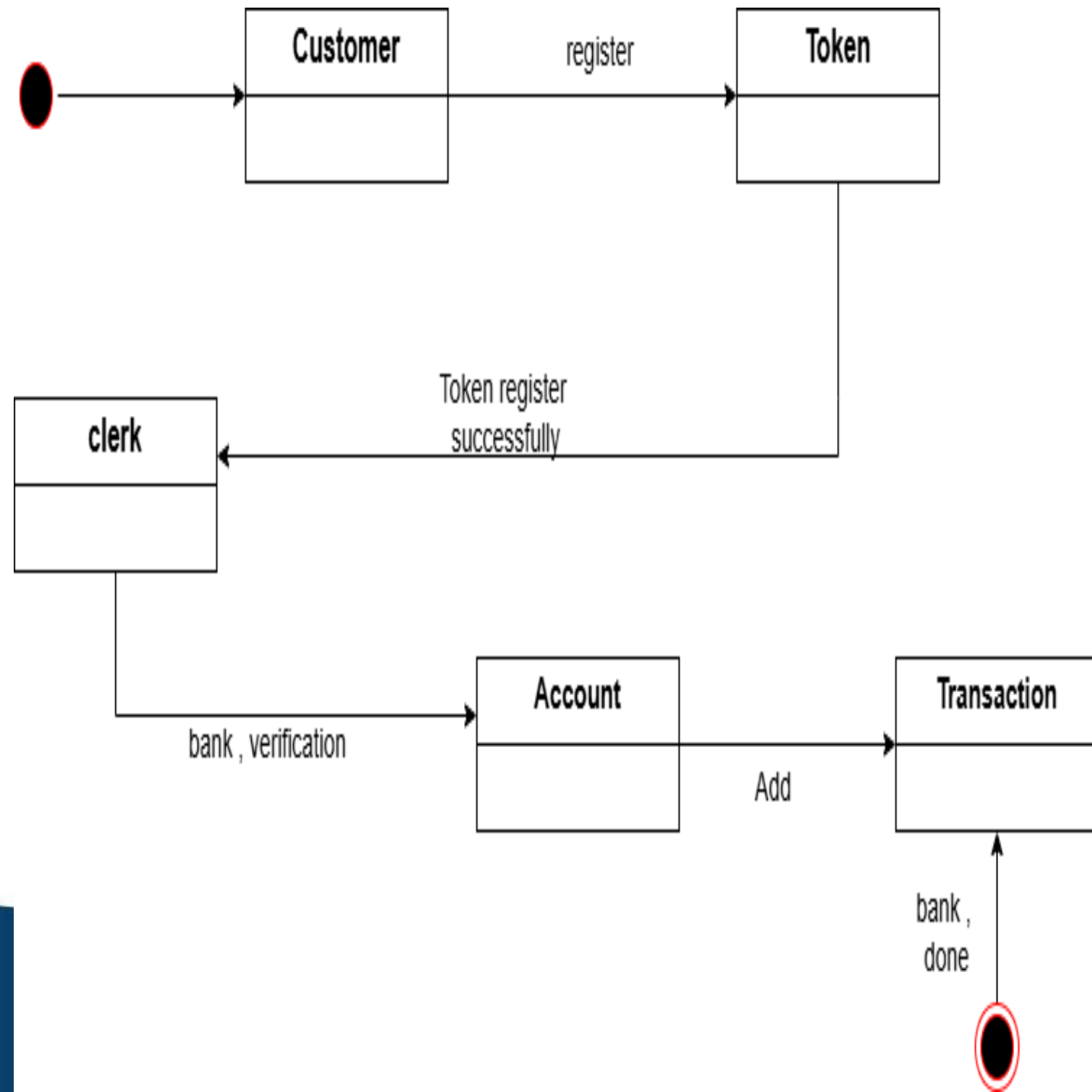


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# State Chart Diagram

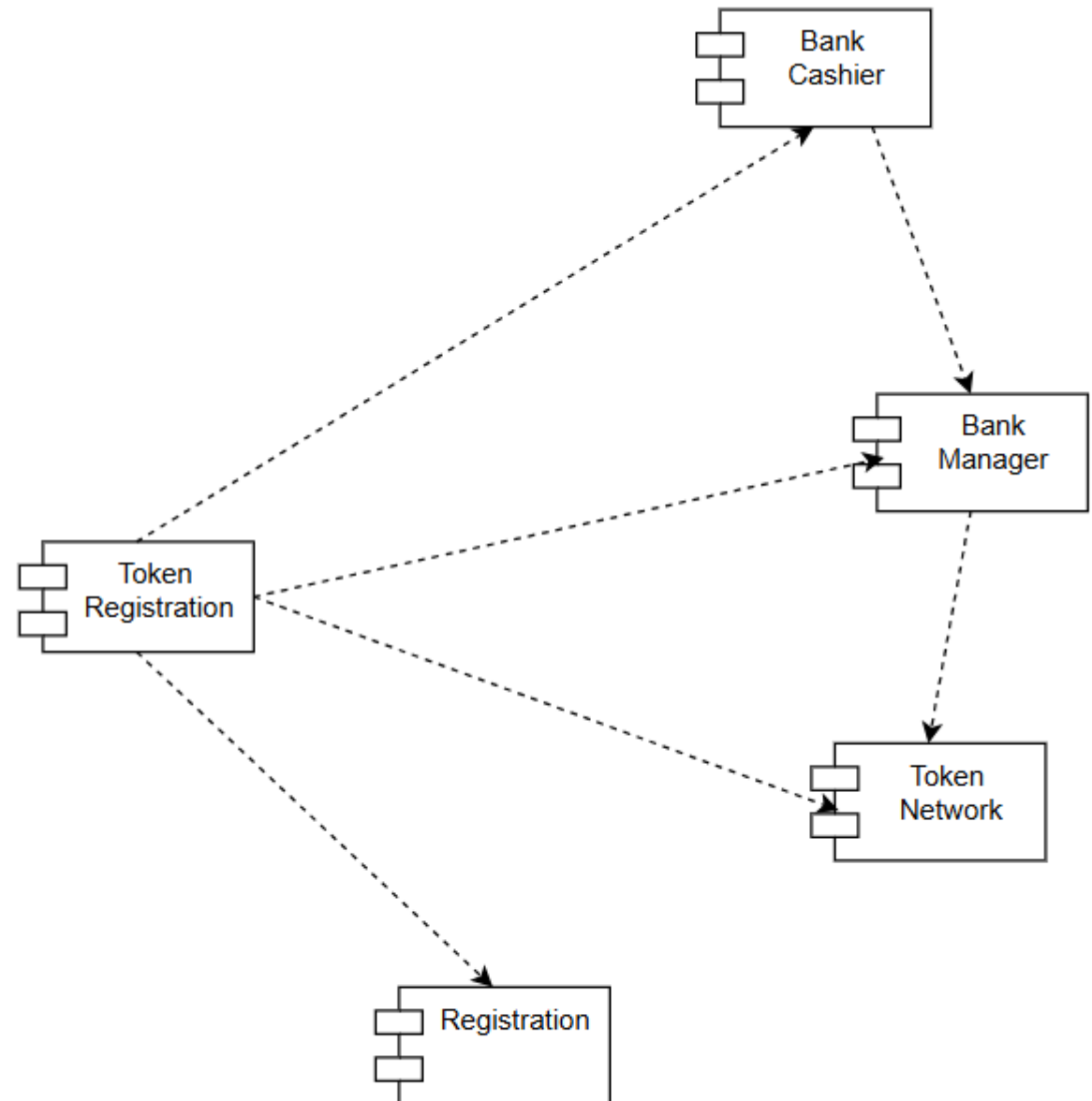


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# Component Diagram

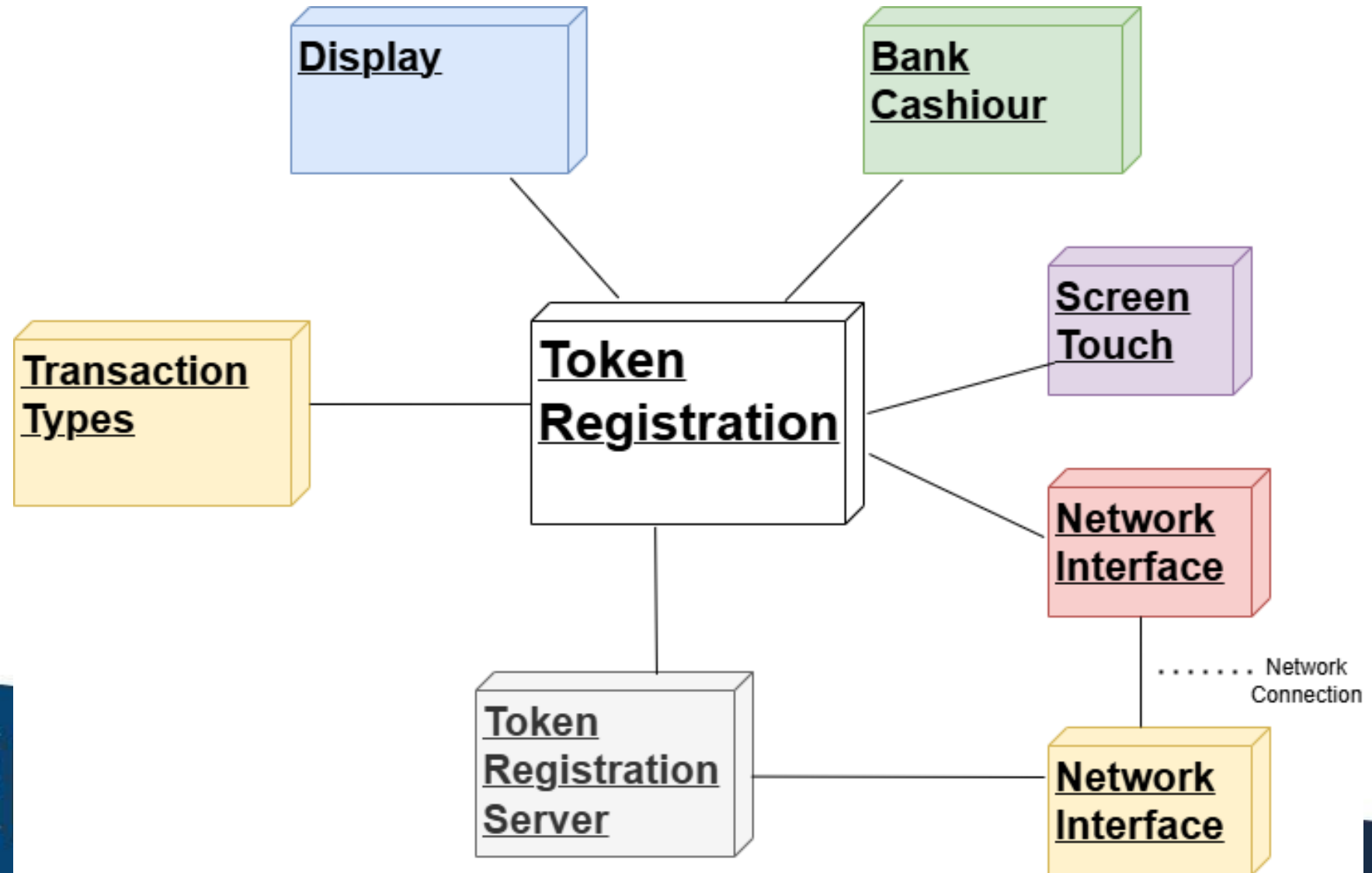


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# Deployment Diagram

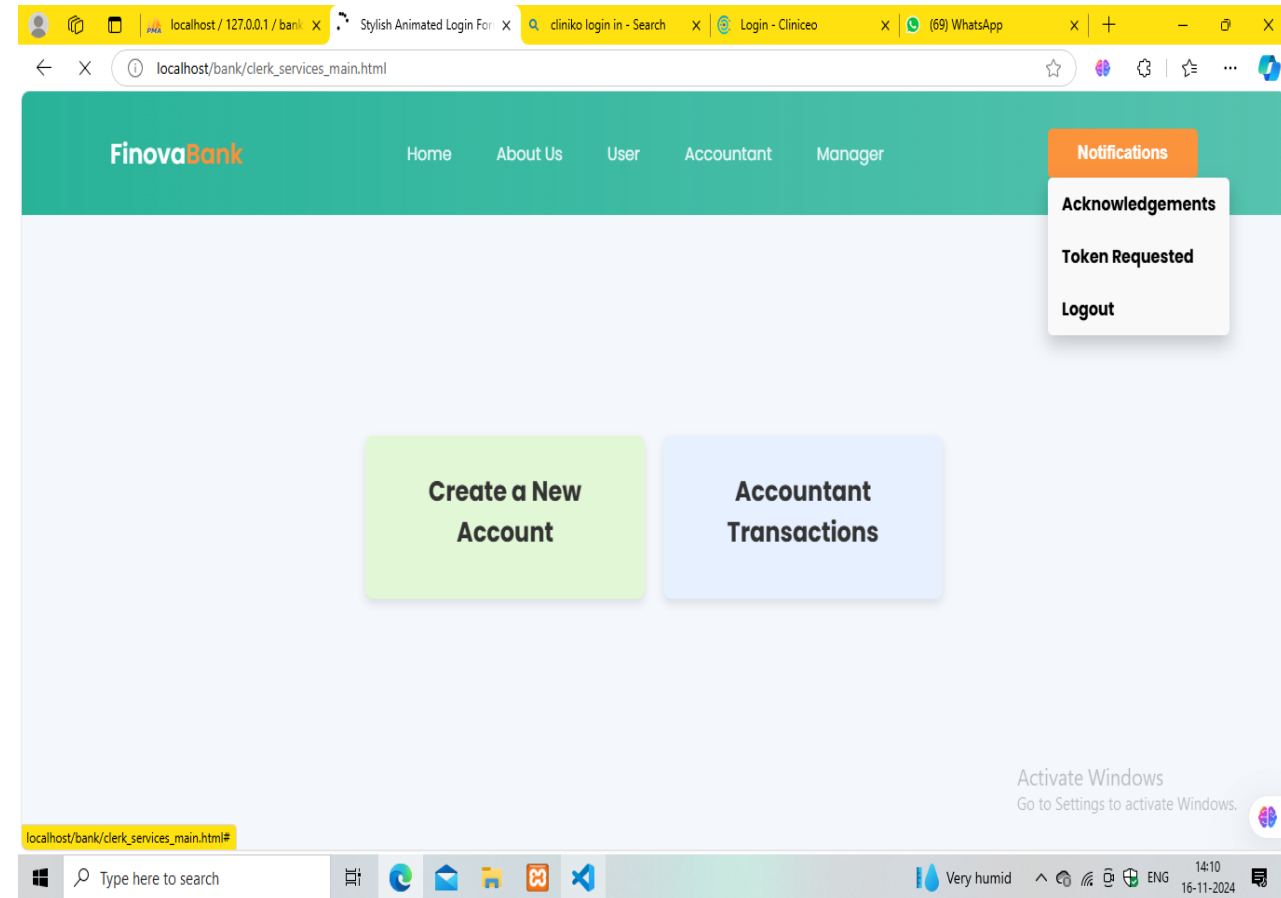
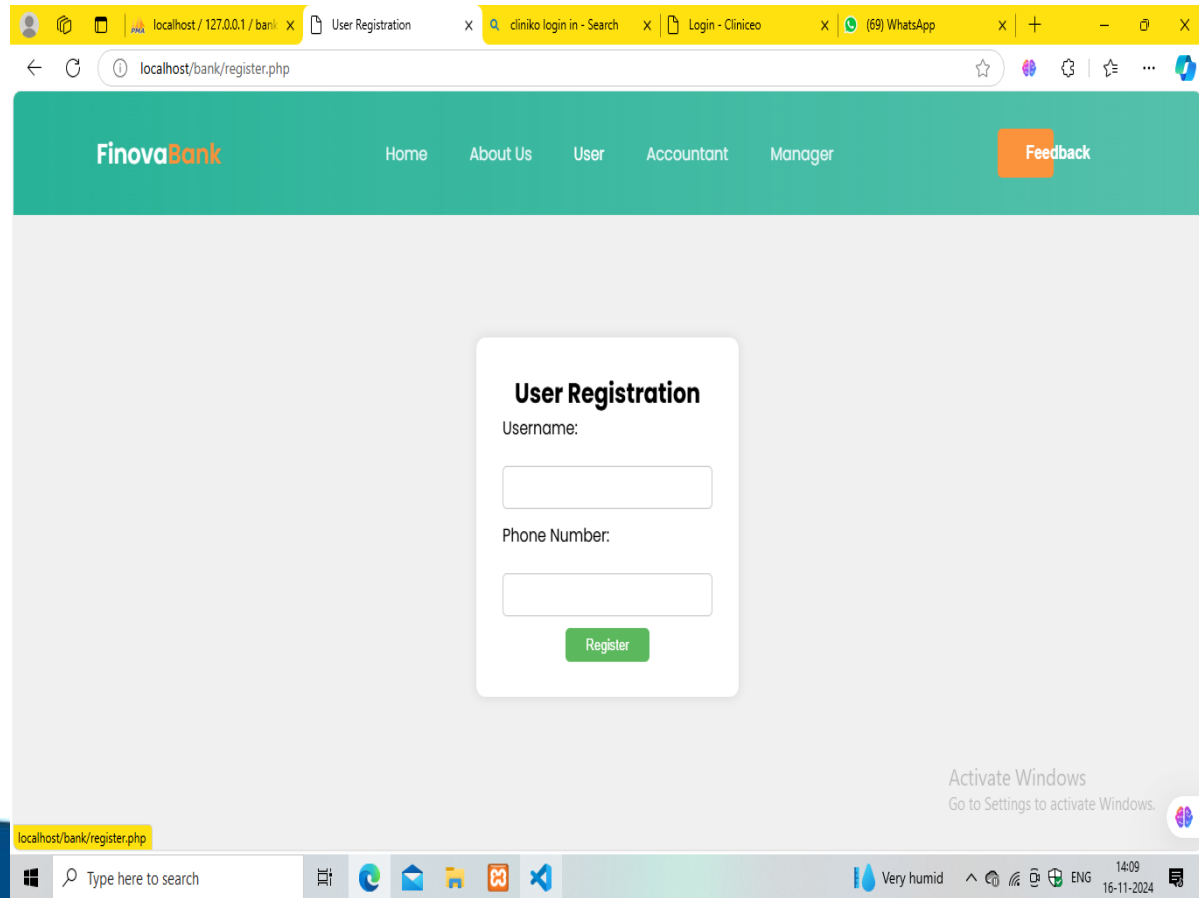


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# Screen Shots of execution



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# Conclusion

Our project provides the following services:

**1.Token Registration and Servicing:** Users can register for tokens, and clerks call them based on their token numbers. Users can withdraw, deposit, and check their account balance.

**2.Bank Accountant:**

- Processes withdrawals, deposits, and balance inquiries for user accounts.

**3.Bank Manager:**

- Logs in with a user ID and password.
- Reviews new bank account requests from the Accountant.
- Can accept or decline these new account requests.



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# Thank You..



GAIN MORE KNOWLEDGE  
REACH GREATER HEIGHTS

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